

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.
24736-2003B

SERIAL NO.
08/933,792

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

APPLICANT
KÖSTER *et al.*

FILING DATE
September 19, 1997

GROUP
1623

RECEIVED
TECH CENTER 1500
99 JAN 21 AM 10:47

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	DATE
A.K.	A	4	1	3	9	3	4	6	02/13/79	Rabbani	422	56	12/28/77
A.K.	B	4	5	8	2	7	8	9	04/15/86	Sheldon III <i>et al.</i>	435	6	12/18/84
A.K.	C	4	6	8	3	1	9	4	07/28/87	Saiki <i>et al.</i>	435	6	03/28/85
A.K.	D	4	6	8	3	1	9	5	07/28/87	Mullis <i>et al.</i>	435	6	02/07/86
A.K.	E	4	7	2	5	6	7	7	02/16/88	Köster <i>et al.</i>	536	27	06/18/85
A.K.	F	4	7	2	9	9	4	7	03/08/89	Middendorf <i>et al.</i>	435	6	03/29/84
A.K.	G	4	7	4	9	7	4	2	6/7/88	Elmore	525	54.11	7/18/86
A.K.	H	4	7	5	7	1	4	1	07/12/88	Fung <i>et al.</i>	536	27	08/26/85
A.K.	I	4	7	9	4	1	5	0	12/27/88	Steel	525	54.11	3/11/87
A.K.	J	4	7	9	7	3	5	5	1/10/89	Stabinsky	435	6	6/13/85
A.K.	K	4	8	0	6	5	4	6	02/21/89	Carrico <i>et al.</i>	536	27	09/30/85
A.K.	L	4	8	5	5	2	2	5	08/08/89	Fung <i>et al.</i>	435	6	02/07/86
A.K.	M	4	8	8	2	1	2	7	11/21/89	Rosenthal <i>et al.</i>	422	50	11/12/87
A.K.	N	4	9	4	8	8	8	2	08/14/90	Ruth	536	27	05/04/87
A.K.	O	4	9	8	3	5	2	1	01/08/91	Lingappa <i>et al.</i>	435	172.3	09/12/86
A.K.	P	4	9	9	4	3	7	3	02/19/91	Stavrianopoulos <i>et al.</i>	435	6	07/20/89
A.K.	Q	5	0	0	3	0	5	9	03/26/91	Brennan	536	27	06/20/88
A.K.	R	5	0	3	7	8	8	2	8/6/91	Steel	525	54.11	12/23/88
A.K.	S	5	0	4	5	6	9	4	09/03/91	Beavis <i>et al.</i>	250	287	09/27/89
A.K.	T	5	0	6	4	7	5	4	11/12/91	Mills	435	6	11/13/87
A.K.	U	5	0	7	7	2	1	0	12/31/91	Eigler <i>et al.</i>	435	176	01/13/89
A.K.	V	5	0	8	2	9	3	5	01/21/92	Cruickshank	536	27	12/15/88
A.K.	W	5	1	1	8	9	3	7	06/02/92	Hillenkamp <i>et al.</i>	250	282	08/21/90
A.K.	X	5	1	3	5	8	7	0	09/92	Williams <i>et al.</i>	436	86	6/1/90
A.K.	Y	5	1	4	9	6	2	5	09/22/92	Church <i>et al.</i>	435	6	03/28/90

EXAMINER

Gary L. Kung

DATE CONSIDERED

11/12/99

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 24736-2003B	SERIAL NO. 08/933,792
	APPLICANT KÖSTER <i>et al.</i>	
	FILING DATE September 19, 1997	GROUP 1623

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
<i>A.K.</i>	Z	5	1	9	8	5	3	1	03/30/93	Webber <i>et al.</i>	525	332.2	06/14/91
<i>A.K.</i>	AA	5	2	1	0	4	1	2	05/11/93	Levis <i>et al.</i>	250	288	01/31/91
<i>A.K.</i>	AB	5	2	2	1	5	1	8	06/22/93	Mills	422	62	08/13/91
<i>A.K.</i>	AC	5	2	3	4	8	2	4	08/10/93	Mullis	435	91	06/02/92
<i>A.K.</i>	AD	5	2	3	7	0	1	6	08/17/93	Ghosh <i>et al.</i>	525	329.4	01/06/89
<i>A.K.</i>	AE	5	2	4	2	9	7	4	09/07/93	Holmes	525	54.11	11/22/91
<i>A.K.</i>	AF	5	2	8	3	3	4	2	02/01/94	Gustavson <i>et al.</i>	548	304.1	06/09/92
<i>A.K.</i>	AG	5	2	8	8	6	4	4	02/22/94	Beavis <i>et al.</i>	436	94	11/13/92
<i>A.K.</i>	AH	5	3	8	0	8	3	3	01/10/95	Urdea	536	22.1	12/13/91
<i>A.K.</i>	AI	5	4	1	0	0	6	8	04/25/95	Coull <i>et al.</i>	548	545	10/23/89
<i>A.K.</i>	AJ	5	4	3	0	1	3	6	07/04/95	Urdea <i>et al.</i>	536	243	07/27/90
<i>A.K.</i>	AK	5	4	3	6	3	2	7	07/25/95	Southern <i>et al.</i>	536	25.34	03/20/91
<i>A.K.</i>	AL	5	4	7	4	8	9	5	12/12/95	Ishii <i>et al.</i>	435	6	05/13/93
<i>A.K.</i>	AM	5	4	7	8	8	9	3	12/26/95	Ghosh <i>et al.</i>	525	329.4	08/05/93
<i>A.K.</i>	AN	5	4	8	4	7	0	1	01/16/96	Cocuzza <i>et al.</i>	435	6	01/31/92
<i>A.K.</i>	AO	5	4	9	2	8	2	1	2/20/96	Callstrom <i>et al.</i>	435	188	11/13/91
<i>A.K.</i>	AP	5	5	0	3	9	8	0	04/02/96	Cantor	435	6	10/17/94
<i>A.K.</i>	AQ	5	5	0	6	3	4	8	04/09/96	Pieles	536	23.1	02/24/94P
<i>A.K.</i>	AR	5	5	1	2	4	3	9	04/30/96	Hornes <i>et al.</i>	435	6	07/06/94
<i>A.K.</i>	AS	5	5	1	4	5	4	8	05/07/96	Krebber <i>et al.</i>	435	6	02/17/94
<i>A.K.</i>	AT	5	5	2	7	6	7	5	06/18/96	Coull <i>et al.</i>	435	6	08/20/93
<i>A.K.</i>	AU	5	5	4	1	3	1	3	07/30/96	Ruth	536	24.3	11/09/94
<i>A.K.</i>	AV	5	5	4	5	5	3	9	08/13/96	Miller	435	91.2	10/18/94
<i>A.K.</i>	AW	5	5	4	7	8	3	5	08/20/96	Köster <i>et al.</i>	435	6	01/06/94
<i>A.K.</i>	AX	5	5	5	2	5	3	5	9/3/96	McLean <i>et al.</i>	536	23.1	11/7/94

EXAMINER

Gang L. Kuma

DATE CONSIDERED

11/2/99

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.
24736-2003BSERIAL NO.
08/933,792LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENTAPPLICANT
KÖSTER *et al.*FILING DATE
September 19, 1997GROUP
1623

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
<i>A.K.</i>	AY	5	5	7	1	9	0	2	11/5/96	Ravikumar <i>et al.</i>	536	22.1	5/26/94
<i>A.K.</i>	AZ	5	5	8	0	7	3	3	12/03/96	Levis <i>et al.</i>	435	6	09/06/94
<i>A.K.</i>	BA	5	5	8	3	0	4	2	12/10/96	Roth	435	288.1	3/22/94
<i>A.K.</i>	BB	5	6	0	1	9	8	2	02/11/97	Sargent <i>et al.</i>	435	6	02/07/95
<i>A.K.</i>	BC	5	6	0	5	7	9	8	02/25/97	Köster	435	6	03/17/95
<i>A.K.</i>	BD	5	6	1	2	4	7	4	03/18/97	Patel	536	27.14	06/30/94
<i>A.K.</i>	BE	5	6	1	6	6	9	8	4/1/97	Krepinsky <i>et al.</i>	536	18.6	1/10/94
<i>A.K.</i>	BF	5	6	1	6	7	0	0	4/1/97	Reddy <i>et al.</i>	536	25.3	11/18/93
<i>A.K.</i>	BG	5	6	2	2	8	2	4	04/22/97	Köster	435	6	02/10/95
<i>A.K.</i>	BH	5	6	2	4	7	1	1	04/29/97	Sundberg <i>et al.</i>	427	261	04/27/95
<i>A.K.</i>	BI	5	6	3	1	1	3	4	05/20/97	Cantor <i>per ASIST</i>	435	6	06/05/95
<i>A.K.</i>	BJ	5	6	3	5	5	9	8	6/3/97	Lebl <i>et al.</i>	530	334	6/21/94
<i>A.K.</i>	BK	5	6	3	9	6	3	3	6/17/97	Callstrom <i>et al.</i>	435	68.1	6/6/95
<i>A.K.</i>	BL	5	6	4	1	8	6	2	6/24/97	Rutter <i>et al.</i>	530	334	3/29/95
<i>A.K.</i>	BM	5	6	4	3	7	2	2	07/01/97	Rothschild <i>et al.</i>	435	6	05/11/94
<i>A.K.</i>	BN	5	6	4	3	7	9	8	07/01/97	Beavis <i>et al.</i>	436	94	06/07/95
<i>A.K.</i>	BO	5	6	4	8	4	6	2	7/15/97	Funakoshi <i>et al.</i>	530	344	1/27/95
<i>A.K.</i>	BP	5	6	4	8	4	8	0	7/15/97	Letsinger <i>et al.</i>	536	25.34	6/6/95
<i>A.K.</i>	BQ	5	6	5	2	3	5	8	7/29/97	Pfleiderer <i>et al.</i>	536	25.3	11/3/94
<i>A.K.</i>	BR	5	6	6	3	2	4	2	09/02/97	Ghosh <i>et al. per ASIST</i>	525	329.4	03/31/95
<i>A.K.</i>	BS	5	6	6	8	2	6	6	9/16/97	Ruth	536	25.3	5/12/95
<i>A.K.</i>	BT	5	6	7	0	3	2	2	09/23/97	Eggers <i>et al.</i>	435	6	06/01/95
<i>A.K.</i>	BU	5	6	7	7	1	9	5	10/14/97	Winkler <i>et al.</i>	436	518	11/20/92
<i>A.K.</i>	BV	5	6	7	9	7	7	3	10/21/97	Holmes	530	334	1/17/95
<i>A.K.</i>	BW	5	6	9	1	1	4	1	11/25/97	Köster	435	6	06/06/95

EXAMINER

Hayd. Kung

DATE CONSIDERED

11/7/99

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 24736-2003B	SERIAL NO. 08/933,792
	APPLICANT KÖSTER <i>et al.</i>	
	FILING DATE September 19, 1997	GROUP 1623

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
A.K.	BX	5	7	0	0	6	4	2	12/23/97	Monforte <i>et al.</i>	435	6	05/22/95
A.K.	BY	5	7	2	6	2	4	3	03/10/98	Fields	525	54.11	07/03/96
A.K.	BZ	5	7	3	6	6	2	5	4/7/98	Callstrom <i>et al.</i>	530	402	6/6/95
A.K.	CA	5	7	3	6	6	2	6	4/7/98	Mullah <i>et al.</i>	536	25.3	1/29/96
A.K.	CB	5	7	4	2	0	4	9	04/21/98	Holle <i>et al.</i>	250	282	03/20/96
A.K.	CC	5	7	9	5	7	1	4	08/18/98	Cantor <i>et al.</i>	435	6	08/23/93

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes No	
A.K.	CD	0	3	6	0	6	7	7	03/28/90	EP A1	C12Q	1/68		X*
A.K.	CE	0	3	9	6	1	1	6	11/07/90	EP A2	--	--		
A.K.	CF	0	4	1	2	8	8	3	02/13/91	EP A1	--	--	X	
A.K.	CG	0	4	5	5	9	0	5	11/13/91	EP A2	--	--		
A.K.	CH	0	4	5	6	3	0	4	11/13/91	EP A1	--	--		
A.K.	CI	0	6	8	4	3	1	5	11/29/95	EP A1	--	--		
A.K.	CJ	0	7	0	1	0	0	1	03/13/96	EP A2	--	--		
A.K.	CK	2	0	1	7	1	0	5	03/20/79	UK	--	--		
A.K.	CL	2	2	1	5	3	9	9	08/28/90	JP	--	--		X*
A.K.	CM	3	9	3	0	3	1	2	04/26/90	DE	--	--		X*
A.K.	CN	4	0	1	1	9	9	1	10/18/90	DE	--	--		X*
A.K.	CO	6	2	9	4	7	9	6	10/21/94	JP	--	--	X	
A.K.	CP	6	3	2	3	00	8	6	09/26/88	JP	--	--		X*
A.K.	CQ	8	4	0	2	5	7	9	07/05/84	PCT	--	--		

EXAMINER

May L. Kunz

DATE CONSIDERED

11/7/99

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.
24736-2003BSERIAL NO.
08/933,792LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENTAPPLICANT
KÖSTER *et al.*FILING DATE
September 19, 1997GROUP
1623

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	Translation	
													Yes	No
<i>A.K.</i>	CR	8	9	0	9	2	8	2	10/05/89	PCT	--	--		
<i>A.K.</i>	CS	8	9	0	9	4	0	6	10/05/89	PCT	--	--		X*
<i>A.K.</i>	CT	8	9	1	2	6	2 8	4	12/28/89	PCT	--	--		
<i>A.K.</i>	CU	9	0	0	1	5	6	4	02/22/90	PCT	--	--		
<i>A.K.</i>	CV	9	0	0	3	3	8	2	04/05/90	PCT	--	--		
<i>A.K.</i>	CW	9	0	0	7	5	8	2	07/12/90	PCT	--	--		
<i>A.K.</i>	CX	9	0	1	5	8	8	3	12/27/90	PCT	--	--		
<i>A.K.</i>	CY	9	1	0	6	6	7	8	05/16/91	PCT	--	--		
<i>A.K.</i>	CZ	9	1	1	3	0	7	5	09/05/91	PCT	--	--		
<i>A.K.</i>	DA	9	2	0	3	5	7	5	03/05/92	PCT	--	--		
<i>A.K.</i>	DB	9	2	0	7	8	7	9	05/14/92	PCT	--	--		
<i>A.K.</i>	DC	9	2	1	0	0	9	2	06/25/92	PCT	--	--		
<i>A.K.</i>	DD	9	2	1	3	6	2	9	08/20/92	PCT	--	--		
<i>A.K.</i>	DE	9	2	1	5	7	1	2	09/17/92	PCT	--	--		
<i>A.K.</i>	DF	9	3	0	6	9	2	5	4/15/93	PCT	--	--		
<i>A.K.</i>	DG	9	3	0	9	6	6	8	05/27/93	PCT	--	--		
<i>A.K.</i>	DH	9	3	2	0	2	3	6	10/14/93	PCT	--	--		
<i>A.K.</i>	DI	9	4	1	1	5	2	9	05/26/94	PCT	5	--		
<i>A.K.</i>	DJ	9	4	1	1	5	3	0	05/26/94	PCT	--	--		
<i>A.K.</i>	DK	9	4	1	1	7	3	5	05/26/94	PCT	--	--		
<i>A.K.</i>	DL	9	4	1	6	1	0	1	07/21/94	PCT	--	--		
<i>A.K.</i>	DM	9	4	2	1	8	2	2	09/29/94	PCT	--	--		
<i>A.K.</i>	DN	9	5	0	4	5	2	4	02/16/95	PCT	--	--		
<i>A.K.</i>	DO	9	5	3	0	7	7	3	11/16/95	PCT	6	--		

EXAMINER

May L. Kunz

DATE CONSIDERED

11/7/99

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 24736-2003B	SERIAL NO. 08/933,792
	APPLICANT KÖSTER <i>et al.</i>	
	FILING DATE September 19, 1997	GROUP 1623

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes No	
<i>H.K.</i>	DP	9	5	3	1	4	2	9	11/23/95	PCT	--	--		
<i>H.K.</i>	DQ	9	6	1	9	5	8	7	06/27/96	PCT	C12Q	1/68		
<i>H.K.</i>	DR	9	6	2	9	4	3	1	09/26/96	PCT	--	--		
<i>H.K.</i>	DS	9	6	3	2	5	0	4	10/17/96	PCT	--	--		
<i>H.K.</i>	DT	9	6	3	6	7	3	1	11/21/96	PCT	--	--		
<i>H.K.</i>	DU	9	6	3	6	7	3	2	11/21/96	PCT	--	--		
<i>H.K.</i>	DV	9	6	3	7	6	3	0	05/30/96	PCT	--	--		
<i>H.K.</i>	DW	9	7	0	8	3	0	6	03/06/97	PCT	--	--		
<i>H.K.</i>	DX	9	7	1	6	6	9	9	05/09/97	PCT	--	--		
<i>H.K.</i>	BY	9	7	3	3	0	0	0	09/12/97	PCT	--	--		
<i>H.K.</i>	DZ	9	7	3	7	0	4	1	10/09/97	PCT	--	--		
<i>H.K.</i>	EA	9	7	4	2	3	4	8	11/13/97	PCT	--	--		
<i>H.K.</i>	EB	9	7	4	3	6	1	7	11/20/97	PCT	--	--		
<i>H.K.</i>	EC	9	8	1	2	3	5	5	03/26/98	PCT	--	--		
<i>H.K.</i>	ED	9	8	2	0	0	1	9	05/18/98	PCT	--	--		
<i>H.K.</i>	EE	9	8	2	0	0	2	0	05/14/98	PCT	--	--		
<i>H.K.</i>	EF	9	8	2	0	1	6	6	05/14/98	PCT	--	--		
<i>H.K.</i>	EG	9	8	5	4	7	5	1	12/03/98	PCT	--	--		

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>H.K.</i>	EH	Alderton <i>et al.</i> , Magnetic bead purification of M13 DNA sequencing templates, <u>Anal. Biochem.</u> 201:166-169 (1992)
<i>H.K.</i>	EI	Allin, S.M. and Shuttleworth, S.J., "The Preparation and First Application of a Polymer-Supported "Evans" Oxazolidinone", <u>Tetrahedron Lett.</u> , 37(44):8023-8026 (1996)

EXAMINER

Gary L. King

DATE CONSIDERED

11/7/99

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 24736-2003B	SERIAL NO. 08/933,792
	APPLICANT KÖSTER <i>et al.</i>	
	FILING DATE September 19, 1997	GROUP 1623

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

A.K.	EJ	Arlinghaus <i>et al.</i> , Applications of resonance ionization spectroscopy for semiconductor, environmental and biomedical analysis, and for DNA sequencing, <u>SPIE</u> , vol. 1435, <u>Opt. Methods Ultrasensitive Detect. Anal. Tech. Appl.</u> pp. 26-35 (1991)
A.K.	EK	Arshady, Reza, Beaded polymer supports and gels: I. Manufacturing techniques, <u>Journal of Chromatography</u> , 586:181-197 (1991).
A.K.	EL	Arshady, Reza, Beaded polymer supports and gels: II. Physico-chemical criteria and functionalization, <u>Journal of Chromatography</u> , 586:199-219 (1991).
A.K.	EM	Backes, B.J. <i>et al.</i> , "Activation Method to Prepare a Highly Reactive Acylsulfonamide "Safety Catch" Linker for Solid-Phase Synthesis ¹ ", <u>J. Am. Chem. Soc.</u> , 118:3055-3056 (1996)
A.K.	EN	Bains, DNA sequencing by mass spectrometry: Outline of a potential future application, <u>Chimicaoggi</u> 9:13-16 (1991)
A.K.	EO	Bains, Setting a sequence to sequence a sequence, <u>Biotechnology</u> 10:757-758 (1992)
A.K.	EP	Bannwarth, Solid-phase synthesis of oligodeoxynucleotides containing phosphoramidate internucleotide linkages and their specific chemical cleavage, <u>Helvetica Chimica Acta</u> 71:1517-1527 (1988)
A.K.	EQ	Barrell, DNA sequencing: present limitations and prospects for the future, <u>FASEB J.</u> 5: 40-45 (1991)
A.K.	ER	Batista-Viera <i>et al.</i> , A new method for reversible immobilization of thiol biomolecules based on solid-phase bound thiolsulfonate groups, <u>App. Biochem and Biotech</u> , 31:175-195 (1991).
A.K.	ES	Beaucage <i>et al.</i> , The synthesis of modified oligonucleotides by the phosphoramidite approach and their applications, <u>Tetrahedron</u> 49:6123-6194 (1993)
A.K.	ET	Beck and Köster, Applications of dioxetane chemiluminescent probes to molecular biology, <u>Anal. Chem.</u> 62:2258-2270 (1990)
A.K.	EU	Beck <i>et al.</i> , Chemiluminescent detection of DNA: application of DNA sequencing and hybridization, <u>Nucleic Acids Res.</u> 17(13):5115-5123 (1989)
A.K.	EV	Bray, A.M. <i>et al.</i> , "Direct Cleavage of Peptides from a Solid Support into Aqueous Buffer. Application in Simultaneous Multiple Peptide Synthesis", <u>J. Org. Chem.</u> , 56:6659-6666 (1991)
A.K.	EW	Brennan <i>et al.</i> , New methods to sequence DNA by mass spectrometry, <u>SPIE</u> , vol. 1206, <u>New Technol. Cytom. Mol. Biol.</u> pp. 60-77 (1990)

EXAMINER

Gay L. Kunz

DATE CONSIDERED

11/7/99

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 24736-2003B	SERIAL NO. 08/933,792
	APPLICANT KÖSTER <i>et al.</i>	
	FILING DATE September 19, 1997	GROUP 1623

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<u>G.K.</u>	EX	Broude <i>et al.</i> , Enhanced DNA sequencing by hybridization, <u>Proc. Natl. Acad. Sci.</u> 91:3072-3076 (1994)
<u>G.K.</u>	EY	Brown <i>et al.</i> , A single-bead decode strategy using electrospray ionization mass spectrometry and a new photolabile linker: 3-Amino-3-(2-nitrophenyl)propionic acid, <u>Molec. Diversity</u> 1:4-12 (1995)
<u>G.K.</u>	EZ	Burgess, K. <i>et al.</i> , "An Approach to Photolabile, Fluorescent Protecting Groups", <u>J. Org. Chem.</u> , 62:5165-5168 (1997)
<u>G.K.</u>	FA	Chen and Seeburg, Supercoil sequencing: A fast and simple method for sequencing plasmid DNA, <u>DNA</u> 4(2):165-170 (1985)
<u>G.K.</u>	FB	Chrissey <i>et al.</i> , Covalent attachment of synthetic DNA to self-assembled monolayer films, <u>Nucl. Acids Res.</u> 24:3031-3039 (1996).
<u>G.K.</u>	FC	Chrissey <i>et al.</i> , Fabrication of patterned DNA surfaces, <u>Nucl. Acids. Res.</u> 24:3040-3047 (1996)
<u>G.K.</u>	FD	Church <i>et al.</i> , "Multiplex DNA Sequencing", <u>Science</u> 240:185-188 (1988).
<u>G.K.</u>	FE	Crain, "Mass spectrometric techniques in nucleic acid research", <u>Mass Spectr. Rev.</u> 9:505-554 (1990).
<u>G.K.</u>	FF	Damha, Masad J. <i>et al.</i> ; An Improved Procedure for Derivatization of Controlled-Pore Glass Beads for Solid-Phase Oligonucleotide Synthesis, <u>Nucleic Acids Research</u> 18(13):3813-3821 (1990)
<u>G.K.</u>	FG	Derwent Publications, WPI Acc. No. #85-224987/198942, citing International PCT Application No. WO 89/09406 published 10/05/89
<u>G.K.</u>	FH	Derwent Publications, WPI Acc. No. #88-311964/198844, citing Japanese Patent No. JP 63230086 published 09/26/88
<u>G.K.</u>	FI	Derwent Publications, WPI Acc. No. #90-108917/199015, citing European Patent No. EP 0360677 published 03/28/90
<u>G.K.</u>	FJ	Derwent Publications, WPI Acc. No. #90-133198/199018, citing German Patent No. DE 3930312 published 04/26/90
<u>G.K.</u>	FK	Derwent Publications, WPI Acc. No. #90-321790/199043, citing German Patent No. DE 4011991 published 10/18/90
<u>G.K.</u>	FL	Derwent Publications, WPI Acc. No. #90-302767/199040, citing Japanese Patent No. JP 2215399 published 08/28/90

EXAMINER

Gary L. Rung

DATE CONSIDERED

11/7/99

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 24736-2003B	SERIAL NO. 08/933,792
	APPLICANT KÖSTER <i>et al.</i>	
	FILING DATE September 19, 1997	GROUP 1623

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

A.K.	FM	DeGrado, W.F. and Kaiser, E.T., "Polymer-Bound Oxime Esters as Supports for Solid-Phase Peptide Synthesis. Preparation of Protected Peptide Fragments", <u>J. Org. Chem.</u> , 45:1295-1300 (1980)
A.K.	FN	Drmanac, <i>et al.</i> , Sequencing of megabase plus DNA by hybridization: Theory of the method, <u>Genomics</u> 4:114-128 (1989)
A.K.	FO	Eckstein, Nucleoside phosphorothioates, <u>Ann. Rev. Biochem.</u> 54:367-402 (1985)
A.K.	FP	Eckstein and Goody, Synthesis and properties of diastereoisomers of adenosine 5'-(O-1-thiotriphosphate) and adenosine 5'-(O-2-thiotriphosphate), <u>Biochemistry</u> 15(8):1685-1691 (1976)
A.K.	FQ	Eckstein, F., Phosphorothioate analogues of nucleotides, <u>Accounts Chem. Res.</u> 12:204-210 (1979)
A.K.	FR	Frank and Köster, DNA chain length and the influence of base composition on electrophoretic mobility of oligodeoxyribonucleotides in polyacrylamide-gels, <u>Nucl. Acids Res.</u> 6:2069-2087 (1979)
A.K.	FS	Fu <i>et al.</i> , "A DNA sequencing strategy that requires only five bases of known terminal sequencing for priming", <u>Proc. Natl. Acad. Sci.</u> 92:10162-10166 (1995)
A.K.	FT	Fujita <i>et al.</i> , Surprising lability of biotin-streptavidin bond during transcription of biotinylated DNA bound to paramagnetic beads, <u>BioTechniques</u> 14:608-617 (1993)
A.K.	FU	Gait, M.J., ed., " <u>Oligonucleotide Synthesis : A Practical Approach</u> ", IRL Practical Approach Series, IRL Press, Oxford, 1984
A.K.	FV	Gayo, L.M. and Suto, M.J., "Traceless Linker: Oxidative Activation and Displacement of a Sulfur-Based Linker", <u>Tetrahedron Lett.</u> , 38(2):211-214 (1997)
A.K.	FW	Ghosh and Musso, Covalent attachment to solid supports, <u>Nucl. Acids Res.</u> 15:5353-5372 (1987)
A.K.	FX	Gildea <i>et al.</i> , A versatile acid-labile linker for modification of synthetic biomolecules, <u>Tetrahedron Letters</u> 31:7095-7398 (1990)
A.K.	FY	Goldmacher <i>et al.</i> , Photoactivation of toxin conjugates, <u>Bioconjugate Chem.</u> 3:104-107, (1992)
A.K.	FZ	Greene, <u>Protective Groups in Organic Synthesis</u> , 2nd Edition, Wiley & Sons, Table of Contents (1991)
A.K.	GA	Han, Y. <i>et al.</i> , "Silicon Directed <i>ipso</i> -Substitution of Polymer Bound Arylsilanes: Preparation of Biaryls <i>via</i> the Suzuki Cross-Coupling Reaction", <u>Tetrahedron Lett.</u> , 37(16):2703-2706 (1996)

EXAMINER

May L. Kunz

DATE CONSIDERED

11/7/99

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 24736-2003B	SERIAL NO. 08/933,792
	APPLICANT KÖSTER <i>et al.</i>	
	FILING DATE September 19, 1997	GROUP 1623

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<u>A.K.</u>	GB	Hayashi <i>et al.</i> , Immobilization of thiol proteases onto porous poly(vinyl alcohol) beads, <u>Polymer Journal</u> , 25:5, 489-497 (1993).
<u>A.K.</u>	GC	Hazum <i>et al.</i> , A photocleavable protecting group for the thiol function of cysteine, <u>Pept., Proc. Eur. Pept. Symp.</u> , 16th, Brunfeldt, K (Ed), pp. 105-110 (1981)
<u>A.K.</u>	GD	Hermanson, <u>Bioconjugate Techniques</u> , Academic Press (1996)
<u>A.K.</u>	GE	Higuchi <i>et al.</i> , A general method of <u>in vitro</u> preparation and mutagenesis of DNA fragments: Study of protein and DNA interactions, <u>Nucleic Acids Res.</u> 16:7351-7367 (1988)
<u>A.K.</u>	GF	Higuchi <i>et al.</i> , Kinetic PCR analysis: Real-time monitoring of DNA amplification reactions, <u>Bio/Technology</u> 11:1026-1030 (1993)
<u>A.K.</u>	GG	Hillenkamp <i>et al.</i> , "Matrix Assisted UV Laser Desorption/ionization: A New Approach to Mass Spectrometry of Large Biomolecules", <u>Bio Mass Spectr.</u> , Burlingame and McCloskey (eds.), pp. 49-61, Elsevier Science Publishers B.V., Amsterdam (1989).
<u>A.K.</u>	GH	Hillenkamp and Ehring, Laser desorption mass spectrometry Part 1: Basic mechanisms and techniques, <u>Mass Spectrometry in the Biological Sciences: A tutorial</u> , pp. 165-179 (1992)
<u>A.K.</u>	GI	Hobbs and Eckstein, A general method for the synthesis of 2'-azido-2'-deoxy-and 2'-amino-2'-deoxyribofuranoxyl purines, <u>J. Org. Chem.</u> 42:714-719 (1976)
<u>A.K.</u>	GJ	Hornes and Korsnes, Magnetic DNA hybridization of oligonucleotide probes attached to superparamagnetic beads and their use in the isolation of Poly(A) mRNA from eukaryotic cells, <u>GATA</u> 7:145-150, (1990)
<u>A.K.</u>	GK	Hultman <i>et al.</i> , Direct solid phase sequencing of genomic and plasmid DNA using magnetic beads as solid support, <u>Nucl. Acids Res.</u> 17:4937-4946 (1989)
<u>A.K.</u>	GL	Huth-Fehre <i>et al.</i> , Matrix-assisted laser desorption mass spectrometry of oligodeoxythymidulic acids, <u>Rapid Communications in Mass Spectrometry</u> 6(3):209-213 (1992)
<u>A.K.</u>	GM	Hyman, A new method of sequencing DNA, <u>Anal. Biochem.</u> 174:423-436 (1988)
<u>A.K.</u>	GN	Innis <i>et al.</i> , DNA sequencing with <i>Thermus aquaticus</i> DNA polymerase and direct sequencing of polymerase chain reaction-amplified DNA, <u>Proc. Natl. Acad. Sci. USA</u> 85:9436-9440 (1988)
<u>A.K.</u>	GO	Innis <i>et al.</i> , editors, <u>PCR Protocols: A guide to methods and applications</u> , Academic Press, San Diego (1990)

EXAMINER

May L. Kung

DATE CONSIDERED

11/7/99

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 24736-2003B	SERIAL NO. 08/933,792
	APPLICANT KÖSTER <i>et al.</i>	
	FILING DATE September 19, 1997	GROUP 1623

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>A.K.</i>	GP	Jacobson, <i>et al.</i> Applications of mass spectrometry to DNA sequencing, <u>GATA</u> 8:223-229 (1991)
<i>A.K.</i>	GQ	Jett <i>et al.</i> , "High-Speed DNA Sequencing: An Approach Based Upon fluorescence Detection of Single Molecules", <u>J. Bio Struct & Dynam.</u> 7(2):301-09 (1989).
<i>A.K.</i>	GR	Jurinke, C. <i>et al.</i> , "Recovery of Nucleic Acids from Immobilized Biotin-Streptavidin Complexes using Ammonium Hydroxide and Applications in MALDI-TOF Mass Spectrometry", <u>Anal. Chem.</u> , 69:904-910 (1997)
<i>A.K.</i>	GS	Kaldor, S.W. <i>et al.</i> , "Use of Solid Supported Nucleophiles and Electrophiles for the Purification of Non-Peptide Small Molecule Libraries", <u>Tetrahedron Lett.</u> , 37(40):7193-7196 (1996)
<i>A.K.</i>	GT	Khrapko <i>et al.</i> , An oligonucleotide hybridization approach to DNA sequencing, <u>FEB</u> 256(1,2):118-122 (1989)
<i>A.K.</i>	GU	Khrapko <i>et al.</i> , "A method for DNA sequencing by hybridization with oligonucleotide matrix", <u>J. DNA Sequencing and Mapping</u> 1:375-388 (1991)
<i>A.K.</i>	GV	Kirpekar <i>et al.</i> , "7-deaza purine bases offer a higher ion stability in the analysis of DNA by matrix-assisted laser desorption/ionization mass spectrometry" <u>Rapid Commun. Mass Spectrom.</u> 9:525-531 (1995)
<i>A.K.</i>	GW	Koster, H. <i>et al.</i> , "Polymer Support Oligonucleotide Synthesis - XV: Synthesis of Oligodeoxynucleotides on Controlled Pore Glass (CPG) using Phosphate and a new Phosphotriester Approach", <u>Tetrahedron</u> , 40(1):103-112 (1984)
<i>A.K.</i>	GX	Koster, H. <i>et al.</i> , "Some Improvements in the Synthesis of DNA of Biological Interest", <u>Nucl. Acids Res.</u> , Symposium Ser. 7:39-59 (1980)
<i>A.K.</i>	GY	Köster <i>et al.</i> , "A strategy for rapid and efficient DNA sequencing by mass spectrometry", <u>Nature Bio</u> 14:1123-1128 (1996).
<i>A.K.</i>	GZ	Köster <i>et al.</i> , N-acyl protecting groups for deoxynucleotides: A quantitative and comparative study, <u>Tetrahedron</u> 37:363-369 (1981)
<i>A.K.</i>	HA	Köster <i>et al.</i> , Well-defined insoluble primers for the enzymatic synthesis of oligo- and polynucleotides, <u>Hoppe Seylers Z. Physiol. Chem.</u> 359(11):1579-1589 (1978)
<i>A.K.</i>	HB	Köster <i>et al.</i> Oligonucleotide synthesis and multiplex DNA sequencing using chemiluminescent detection, <u>Nucl. Acids Res.</u> , Symposium Series No. 24:318-321, (1991)
<i>A.K.</i>	HC	Kozal <i>et al.</i> , "Extensive polymorphisms observed in HIV-1 clade B protease gene using high-density oligonucleotide arrays", <u>Nature Medicine</u> 2(7):753-759 (1996)

EXAMINER

Harry L. Kung

DATE CONSIDERED

11/7/99

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 24736-2003B	SERIAL NO. 08/933,792
	APPLICANT KÖSTER <i>et al.</i>	
	FILING DATE September 19, 1997	GROUP 1623

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

A.K.	HD	Kumar, G. and Poonian, M.S., "Improvements in Oligodeoxyribonucleotide Synthesis: Methyl <i>N,N</i> -Dialkylphosphoramidite Dimer Units for Solid Support Phosphite Methodology", <u>J. Org. Chem.</u> , 49:4905-4912 (1984)
A.K.	HE	Kusmann, <i>et al.</i> , Matrix-assisted laser desorption/ionization mass spectrometry sample preparation techniques designed for various peptide and protein analytes, <u>J. Mass Spec.</u> 32:593-601 (1997).
A.K.	HF	Labeit <i>et al.</i> , Laboratory methods: A new method of DNA sequencing using deoxynucleoside α -thiotriphosphates, <u>DNA</u> 5:173-177 (1986)
A.K.	HG	Lamture <i>et al.</i> , Direct detection of nucleic acid hybridization on the surface of a charge coupled device, <u>Nucl. Acids Res.</u> 22:2121-2125 (1994)
A.K.	HH	Landegren <i>et al.</i> , "DNA Diagnostics - Molecular techniques and automation", <u>Science</u> 242:229-237 (1988)
A.K.	HI	Leznoff, C.C. and Wong, J.Y., "The Use of Polymer Supports in Organic Synthesis. The Synthesis of Monotryl Ethers of Symmetrical Diols", <u>Can. J. Chem.</u> , 50:2892-2893 (1972)
A.K.	HJ	Li <i>et al.</i> , "Analysis of single mammalian cell lysates by mass spectrometry", <u>J. Am. Chem. Soc.</u> 118:11662-11663 (1996)
A.K.	HK	Li <i>et al.</i> , "High-Resolution MALDI Fourier Transform Mass Spectrometry of Oligonucleotides", <u>Anal Chem</u> 68(13):2090-2096 (1996).
A.K.	HL	Little <i>et al.</i> , "Direct detection of synthetic and biologically generated double-stranded DNA by MALDI-TOF MS", <u>J. Mass Spec</u> 17:1-8 (1997).
A.K.	HM	Little <i>et al.</i> , "Mass spectrometry from miniaturized arrays for full comparative DNA analysis", <u>Nature Med</u> 3(12):1413-1416 (1997).
A.K.	HN	Little <i>et al.</i> , "MALDI on a Chip: Analysis of Arrays of Low-Femtomole to Subfemtomole Quantities of Synthetic Oligonucleotides and DNA Diagnostic Products Dispensed by a Piezoelectric Pipet", <u>Anal chem</u> 69:4540-4546 (1997).
A.K.	HO	Lloyd-Williams, P. <i>et al.</i> , "Convergent Solid-Phase Peptide Synthesis", <u>Tetrahedron</u> , 49(48):11065-11133 (1993)
A.K.	HP	Lorsbach, B.A. <i>et al.</i> , "Reisert-Based "Traceless" Solid-Phase Synthesis: Isoquinoline, and Isoxazoline-Containing Heterocycles", <u>J. Org. Chem.</u> , 61:8716-8717 (1996)
A.K.	HQ	Lund <i>et al.</i> , Assessment of methods for covalent binding of nucleic acids to magnetic beads, Dynabeads™ and the characteristics of the bound nucleic acids in hybridization reactions, <u>Nucl. Acids Res.</u> 16:10861-10880 (1988)

EXAMINER

Gary L. King

DATE CONSIDERED

11/7/99

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 24736-2003B	SERIAL NO. 08/933,792
	APPLICANT KÖSTER <i>et al.</i>	
	FILING DATE September 19, 1997	GROUP 1623

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>A.K.</i>	HR	Manoharan <i>et al.</i> , A 2'-O-thiol tether in the ribose moiety of nucleic acids for conjugation chemistry, <u>Gene</u> , 149:147-156 (1994).
<i>A.K.</i>	HS	Matteucci <i>et al.</i> , Synthesis of deoxyoligonucleotides on a polymer support, <u>J. A. Chem. Soc.</u> 103:3185-3191, 1981
<i>A.K.</i>	HT	Maxam and Gilbert, Sequencing end-labeled DNA with base-specific chemical cleavages, <u>Methods in Enzymology</u> 65:499-560 (1980)
<i>A.K.</i>	HU	McCray and Trentham, "Properties and uses of photoreactive caged compounds", <u>Annu. Rev. Biophys. Biophys. Chem.</u> 18:239-270 (1989)
<i>A.K.</i>	HV	<u>Molecular Cloning: A laboratory manual</u> , 2nd, ed., Ch. 11: Synthetic oligonucleotide probes, Sambrook, Cold Spring Harbor Laboratory Press New York, pp. 11.1-11.61 (1989)
<i>A.K.</i>	HW	Morphy, J.R. <i>et al.</i> , "A Novel Linker Strategy for Solid-Phase Synthesis", <u>Tetrahedron Lett.</u> , 37(18):3209-3212 (1996)
<i>A.K.</i>	HX	Murray, "DNA sequencing by mass spectrometry", <u>J. Mass. Spect.</u> 31:1203-1215 (1996).
<i>A.K.</i>	HY	Nakamaye <i>et al.</i> , "Direct sequencing of polymerase chain reaction amplified DNA fragments through the incorporation of deoxynucleoside α -thiotriphosphates", <u>Nucleic Acids Res.</u> 16(21):9947-9959 (1988)
<i>A.K.</i>	HZ	Nelson <i>et al.</i> , "Volatilization of High Molecular Weight DNA by Pulsed Laser Ablation of Frozen Aqueous Solutions", <u>Science</u> 246:1585-1587 (1989).
<i>A.K.</i>	IA	Nelson <i>et al.</i> , Time-of-flight mass spectrometry of nucleic acids by laser ablation and ionization from a frozen aqueous matrix, <u>Rapid Communications in Mass Spectrometry</u> 4:348-351 (1990)
<i>A.K.</i>	IB	Newlander, K.A. <i>et al.</i> , "Simple Silyl Linker for the Solid Phase Organic Synthesis of Aryl-Containing Molecules", <u>J. Org. Chem.</u> , 62:6726-6732 (1997)
<i>A.K.</i>	IC	Newton <i>et al.</i> , The production of PCR products with 5' single-stranded tails using primers that incorporate novel phosphoramidite intermediates, <u>Nucl. Acids. Res.</u> 21:1155-1162 (1993)
<i>A.K.</i>	ID	Nikiforov and Rogers, The use of 96-well polystyrene plates for DNA hybridization-based assays: An evaluation of different approaches to oligonucleotide immobilization, <u>Anal. Biochem.</u> 227:201-209 (1995)
<i>A.K.</i>	IE	Nordhoff <i>et al.</i> , "Ion stability of nucleic acids in infrared matrix-assisted laser desorption/ionization mass spectrometry", <u>Nuc Acids Res.</u> 21(15):3347-3357 (1993).

EXAMINER

Gay L. King

DATE CONSIDERED

11/5/99

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 24736-2003B	SERIAL NO. 08/933,792
	APPLICANT KÖSTER <i>et al.</i>	
	FILING DATE September 19, 1997	GROUP 1623

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

A.K.	IF	Nordoff <i>et al.</i> , "Matrix-assisted laser desorption/ionization mass spectrometry of nucleic acids with wavelength in the ultraviolet and infrared", <u>Rapid Comm. Mass Spectrom.</u> 6:771-776 (1992)
A.K.	IG	Norton, J.C. <i>et al.</i> , "Targeting Peptide Nucleic Acid-Protein Conjugates to Structural Features within Duplex DNA", <u>Bioorg. Med. Chem.</u> , 3(4):437-445 (1995)
A.K.	IH	O'Donnell <i>et al.</i> , "MassArray as an Enabling Technology for the Industrial-Scale Analysis of DNA", <u>Genetic Engineering News</u> 17(21) (1997).
A.K.	II	O'Donnell <i>et al.</i> , "High-Density, Covalent Attachment of DNA to Silicon Wafers for Analysis by MALDI-TOF Mass Spectrometry", <u>Analytical Chemistry</u> 69(13):2438-2443 (1997).
A.K.	IJ	O'Donnell-Maloney <i>et al.</i> , "Microfabrication and array technologies for DNA sequencing and diagnostics", <u>Genetic Analysis: Biomolecular Engineering</u> 13:151-157 (1996).
A.K.	IK	Olejnik, J. <i>et al.</i> , "Photocleavable biotin phosphoramidite for 5'-end-labelling, affinity purification and phosphorylation of synthetic oligonucleotides", <u>Nucl. Acids Res.</u> , 24(2):361-366 (1996)
A.K.	IL	<u>Oligonucleotides and Analogues, A Practical Approach</u> , F. Eckstein, editor, IRL Press Oxford, Table of Contents (1991)
A.K.	IM	<u>Oligonucleotides and Analogues: A Practical Approach</u> , Eckstein, ed., Oxford University Press Ch. 3, pp. 49-59, 137-139, 255-259 (1991)
A.K.	IN	Overberg <i>et al.</i> , "Laser Desorption Mass Spectrometry. Part II Performance and Applications of Matrix-Assisted Laser Desorption/Ionization of Large Biomolecules", <u>Mass Spect in the Biolog Science: A Tutorial</u> 181-197 (1992).
A.K.	IO	Patek, M. and Lebl, M., "Safety-Catch Anchoring Linkage for Synthesis of Peptide Amides by Boc / Fmoc Strategy", <u>Tetrahedron Lett.</u> , 32(31):3891-3894 (1991)
A.K.	IP	Pielek <i>et al.</i> , Matrix-assisted laser desorption ionization time-of-flight mass spectrometry: a powerful tool for the mass and sequence analysis of natural and modified oligonucleotides, <u>Nucleic Acids Res.</u> 21(14):3191-3196 (1993)
A.K.	IQ	Pierce ImmunoTechnology Catalog, p. 57 (1993)
A.K.	IR	Pierce Catalog, pp. T123-T154, 1994
A.K.	IS	Plunkett, M.J. and Ellman, J.A., "A Silicon-Based Linker for Traceless Solid-Phase Synthesis", <u>J. Org. Chem.</u> , 60:6006-6007 (1995)
A.K.	IT	Pon, <i>et al.</i> , Derivation of controlled pore glass beads for solid phase oligonucleotide synthesis, <u>BioTechniques</u> , 6:8, 770-775 (1988).

EXAMINER <i>Gary L. King</i>	DATE CONSIDERED <i>11/5/99</i>
------------------------------	--------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 24736-2003B	SERIAL NO. 08/933,792
	APPLICANT KÖSTER <i>et al.</i>	
	FILING DATE September 19, 1997	GROUP 1623

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

A.K.	IU	Raftery, <i>et al.</i> , Characterization of a mutant recombinant S100 protein using electrospray ionization mass spectrometry. <u>Rapid Comm. Mass Spec.</u> 11:405-409 (1997).
A.K.	IV	Rasmussen <i>et al.</i> , Covalent immobilization of DNA onto polystyrene microwells: The molecules are only bound at the 5' end, <u>Anal. Biochem.</u> 198:138-142 (1991)
A.K.	IW	Rink, "Solid-phase synthesis of protected peptide fragments using a trialkoxy-diphenylmethylester resin", <u>Tetrahedron Lett.</u> 28:3787-3790 (1987).
A.K.	IX	Rolfs <i>et al.</i> , <u>PCR: Clinical Diagnostics and Research</u> , Springer-Verlag (1992)
A.K.	IY	Routledge, A. <i>et al.</i> , "The Use of a Dithiane Protected Benzoin Photolabile Safety Catch Linker for Solid Phase Synthesis", <u>Tetrahedron Lett.</u> , 38(7):1227-1230 (1997)
A.K.	IZ	Running and Urdea, A procedure for productive coupling of synthetic oligonucleotides to polystyrene microtiter wells for hybridization capture, <u>Biotechniques</u> 8:276-277 (1990)
A.K.	JA	Ruppert <i>et al.</i> , "Preparation of plasmid DNA as Sequencing Templates in a Microtiter Plate Format", Paper presented, Cold Spring Harbor Laboratory.
A.K.	JB	Ruppert <i>et al.</i> , "A rapid and high throughput method for plasmid isolations", Presented: Automation in Mapping and DNA Sequencing Conference, Aug. 31 - Sept. 2 1994
	JC	Ruppert <i>et al.</i>, "A filtration method for plasmid isolation using microtiter filter plates", <u>Anal. Biochem.</u> 230:130-134 (1995) NO DATE
A.K.	JD	Saiki <i>et al.</i> , Genetic analysis of amplified DNA with immobilized sequence-specific oligonucleotide probes, <u>Proc. Natl. Acad. Sci.</u> 86:6230-6234 (1989)
A.K.	JE	Salmon, S.E. <i>et al.</i> , "Discovery of Biologically Active Peptides in Random Libraries: Solution Phase Testing after Staged Orthogonal Release from Resin Beads", <u>Proc. Natl. Acad. Sci. USA</u> , 90:11708-11712 (1993)
A.K.	JF	Sanger <i>et al.</i> , DNA sequencing with chain-terminating inhibitors, <u>Proc. Natl. Acad. Sci.</u> 74:5463-67 (1977)
A.K.	JG	Sasaki <i>et al.</i> , Introduction of an azide group into some uridine derivatives via 2',3'-benzoxonium and 2',3'-azidonium intermediates, <u>J. Org. Chem.</u> 41:3138-3143 (1976)
A.K.	JH	Schneider and Chait, Increased stability of nucleic acids containing 7-deaza-guanosine and 7-deaza-adenosine may enable rapid DNA sequencing by matrix-assisted laser desorption mass spectrometry, <u>Nucleic Acids Res.</u> 23(9):1570-1575 (1995)
A.K.	JI	Schram, Karl H., "Mass Spectrometry of Nucleic Acid Components", <u>Bio Appl of Mass Spect.</u> 34:203-287 (1990).
A.K.	JJ	Senter <i>et al.</i> , Novel photocleavable protein crosslinking reagents and their use in the preparation of antibody-toxin conjugates, <u>Photochem. Photobiol.</u> 42:231-237, (1985)

EXAMINER

Gary L. Kump

DATE CONSIDERED

11/5/99

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 24736-2003B	SERIAL NO. 08/933,792
	APPLICANT KÖSTER <i>et al.</i>	
	FILING DATE September 19, 1997	GROUP 1623

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

A.K.	JK	Sequenom Uses DNA MassArray™ to Sequence Section of Human Cancer-Related p53 Gene", Press Release: Mar. 27, 1998, http://www.sequenom.com/pressrelease.htm .
A.K.	JL	Sequenom Signs Agreement With Bruker-Franzen Analytik to Develop Mass Spectrometer for DNA Massarray Analysis", Press Release: Jan. 12, 1998, http://www.sequenom.com/pressrelease.htm .
A.K.	JM	Sequenom Advances the Industrial Genomics Revolution with the Launch of Its DNA MassArray™ Automated Process Line", Press Release: Sept. 28, 1998, http://www.sequenom.com/pressrelease.htm .
A.K.	JN	Sequenom Reports DNA MassArray™ Technology More Sensitive Than Electrophoretic Methods in Detecting Gene Mutations: Automated DNA Analysis System Can Speed Up Microsatellite Analyses", Press Release: Dec. 15, 1997, http://www.sequenom.com/pressrelease.htm .
A.K.	JO	Sequenom Reports On Use of Its DNA MassArray™ Technology to Analyze Genes Associated with Alzheimer's Disease and Arteriosclerosis: Technology Has Applications in Drug Development", Press Release: Sept. 22, 1997, http://www.sequenom.com/pressrelease.htm .
A.K.	JP	Shaler <i>et al.</i> , "Analysis of enzymatic DNA sequencing reactions by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry", <u>Rapid Commun Mass Spectrom</u> 9(10):942-947 (1995)
A.K.	JQ	Shaler <i>et al.</i> , "Effect of Impurities on the matrix-Assisted Laser Desorption Mass Spectra of Single-Stranded Oligodeoxynucleotides", <u>Anal. Chem.</u> 68:576-579 (1996).
A.K.	JR	Siegert <i>et al.</i> , "Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry for the detection of polymerase chain reaction products containing 7-deazapurine moieties", <u>Analytical Biochemistry</u> 243:55-65 (1996).
A.K.	JS	Singh <i>et al.</i> , Oligonucleotides, part 5 + : synthesis and fluorescence studies of DNA oligomers d(AT) ₅ containing adenines covalently linked at C-8 with dansyl fluorophore, <u>Nucleic Acids Res.</u> 18(11):3339-3345 (1990)
A.K.	JT	Sinha <i>et al.</i> , β -cyanoethyl N,N-dialkylamino/N-morpholinomono-chloro phosphoramidites, new phosphitylating agents facilitating ease of deprotection and work-up of synthesized oligonucleotides, <u>Tetrahedron Lett.</u> 24:5843-5846 (1983)
A.K.	JU	Sinha <i>et al.</i> , Polymer support oligonucleotide synthesis XVIII: use of β -cyanoethyl-N,N-dialkylamino-/N-morpholino phosphoramidite of deoxynucleosides for the synthesis of DNA fragments simplifying deprotection and isolation of the final product, <u>Nucleic Acids Res.</u> 12:4539-4557 (1984)

EXAMINER

Mary L. King

DATE CONSIDERED

11/5/99

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 24736-2003B	SERIAL NO. 08/933,792
	APPLICANT KÖSTER <i>et al.</i>	
	FILING DATE September 19, 1997	GROUP 1623

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

A.K.	JV	Slim <i>et al.</i> , Configurationally defined phosphorothioate-containing oligoribonucleotides in the study of the mechanism of cleavage of hammerhead ribozymes, <u>Nucleic Acids Res.</u> <u>19</u> :1183-1188 (1991)
A.K.	JW	Sproat <i>et al.</i> , The synthesis of protected 5'-amino-2',5'-dideoxyribonucleoside-3'-O-phosphoramidites; applications of 5'-amino-oligodeoxyribonucleotides, <u>Nucleic Acids Res.</u> <u>15</u> :6181-6196 (1987)
A.K.	JX	Sproat <i>et al.</i> , The synthesis of protected 5'-mercapto-2',5'-dideoxyribonucleoside-3'-O-phosphoramidites; uses of 5'-mercapto-oligodeoxyribonucleotides, <u>Nucleic Acids Res.</u> <u>15</u> :4837-4848 (1987)
A.K.	JY	Stahl <i>et al.</i> , Solid Phase DNA Sequencing using the Biotin-Avidin System, <u>Nucleic Acids Research</u> , vol. 16, No. 7, pp. 3025-3039 (1988)
A.K.	JZ	Strezoska <i>et al.</i> , DNA sequencing by hybridization: 100 bases read by a non-gel-based method, <u>Proc. Natl. Acad. Sci.</u> <u>88</u> :10089-10093 (1991)
A.K.	KA	Tang <i>et al.</i> , "Matrix-assisted laser desorption/ionization mass spectrometry of immobilized duplex DNA probes", <u>Nucleic Acids Research</u> <u>23</u> :3126-3131 (1995).
A.K.	KB	Tang <i>et al.</i> , Detection of 500-nucleotide DNA by laser desorption mass spectrometry, <u>Rapid Commun. Mass Spectrom.</u> <u>8</u> :727-730 (1994)
A.K.	KC	Thuong and Asseline, Oligonucleotides attached to intercalators, photoreactive and cleavage agents, <u>Oligonucleotides and Analogues: A Practical Approach</u> , Eckstein, edr., Oxford University Press Ch. 12, pp. 283-308 (1991)
A.K.	KD	Tong <i>et al.</i> , Solid-phase method for the purification of DNA sequencing reactions, <u>Anal. Chem.</u> <u>64</u> :2672-2677, (1992)
A.K.	KE	van Maarseveen, J.H. <i>et al.</i> , "Solid Phase Ring-Closing Metathesis: Cyclization / Cleavage Approach towards a Seven Membered Cycloolefin", <u>Tetrahedron Lett.</u> , <u>37</u> (45):8249-8252 (1996)
A.K.	KF	Vorm, <i>et al.</i> , Improved resolution and very high sensitivity in MALDI TOF of matrix surfaces made by fast evaporation, <u>Anal. Chem.</u> <u>66</u> :3281-3287 (1994).
A.K.	KG	Wang, Solid phase synthesis of protected peptides via photolytic cleavage of the α -methylphenacyl ester anchoring linkage, <u>J. Org. Chem.</u> <u>41</u> (20):3258-3261 (1976)
A.K.	KH	Wellhöner <i>et al.</i> , Uptake and concentration of bioactive macromolecules by K562 cells via the transferrin cycle utilizing an acid-labile transferrin conjugate, <u>J. Biol. Chem.</u> <u>256</u> :4309-4314, (1991)
A.K.	KI	Wentrup, <u>Reactive Molecules</u> , John Wiley & Sons, Table of Contents (1984)

EXAMINER

Gary L. Kung

DATE CONSIDERED

11/5/99

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 24736-2003B	SERIAL NO. 08/933,792
	APPLICANT KÖSTER <i>et al.</i>	
	FILING DATE September 19, 1997	GROUP 1623

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

A.K.	KK	Williams, Time of flight mass spectrometry of DNA laser-ablated from frozen aqueous solutions: applications to the Human Genome Project, <u>Intl. J. Mass Spectrom. and Ion Processes</u> 131:335-344 (1994)
A.K.	KL	Wolter <i>et al.</i> , Negative Ion FAB mass spectrometric analysis of non-charged key intermediates in oligonucleotide synthesis: Rapid indentification of partially protected dinucleoside monophosphates, <u>Biomedical Environmental Mass Spectrometry</u> 14:111-116 (1987)
A.K.	KM	Wong, Conjugation of proteins to solid matrices, <u>Chemistry of Protein Conjugation and Cross-Linking</u> , Table of Contents (1993)
A.K.	KN	Wong, Conjugation of proteins to solid matrices, <u>Chemistry of Protein Conjugation and Cross-Linking</u> 12:295-317 (1993)
A.K.	KO	Wu <i>et al.</i> , "Matrix-assisted Laser Desorption Time-of-flight Mass Spectrometry of Oligonucleotides Using 3-Hydroxypicolinic Acid as an Ultraviolet-sensitive Matrix", <u>Rapid Comm Mass Spec</u> 7:142-146 (1993).
A.K.	KP	Wu <i>et al.</i> , "Time-of-Flight Mass Spectrometry of Underivatized Single-Stranded DNA Oligomers by Matrix-Assisted Laser Desorption", <u>Anal. Chem.</u> 66:1637-1645 (1994).
A.K.	KQ	Yates, III, Mass spectrometry and the age of the proteome, <u>J. Mass Spec.</u> 33:1-19 (1998).
A.K.	KR	Yen <i>et al.</i> , Synthesis of water-soluble copolymers containing photocleavable bonds, <u>Makromol. Chem.</u> 190:69-82 (1989)
A.K.	KS	Zhang <i>et al.</i> , Single-base mutational analysis of cancer and genetic diseases using membrane bound modified oligonucleotides, <u>Nucl. Acids Res.</u> 19:3929-3933 (1991)
A.K.	KT	Zimmermann <i>et al.</i> , Automated preparation and purification of M13 templates for DNA sequencing, <u>Meth. Mol. Cell. Biol.</u> 1:29-34 (1989)
A.K.	KU	Zuckermann <i>et al.</i> , Efficient methods for attachment of thiol specific probes to the 3'-ends of synthetic oligodeoxyribonucleotides, <u>Nucleic Acids Research</u> , 15:13, 5305-5321 (1987).

EXAMINER

Gary L. Kung

DATE CONSIDERED

11/5/99

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified)

ATTY. DOCKET NO.
24736-2003B

SERIAL NO. 08/933,792

LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

APPLICANT
KÖSTER *et al.*

FILING DATE
September 19, 1997

GROUP
1623

U.S. PATENT DOCUMENTS

[illegible]

TECH CENTER
99 FEB -3 PM 1:35
B SS 09/29/77
7 10/6/77

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	Translation	
		Yes	No											

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

[illegible]

EXAMINER

Gary L. Kunz
Initial if citation considered
citation if not in confor

DATE CONSIDERED

11/4/99

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 24736-2003B	SERIAL NO. 08/933,792
	APPLICANT KÖSTER <i>et al.</i>	
	FILING DATE September 19, 1997	GROUP 1623

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
<i>A.K.</i>	AA	5	8	3	0	6	5	5	11/03/98	Monforte <i>et al.</i>	435	6	04/26/96
<i>A.K.</i>	AB	5	8	6	9	2	4	2	02/09/99	Kamb	435	6	09/18/95

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes No	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>HO</i>	AC	O'Donnell-Maloney <i>et al.</i> , "The development of microfabricated arrays for DNA sequencing and analysis" <u>TIBTECH</u> 14:401-407 (1996).

EXAMINER

Gary L. Kung

DATE CONSIDERED

11/4/99

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.